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SUBSTITUTE SPECIFICATION

[0001] INSERTABLE COMPONENT WHICH CAN BE INSERTED INTO A
GAS OR LIQUID LINE

[0002] BACKGROUND

[0003] The invention relates to an insertable component, which is embodied as a non-return element and which can be inserted into a gas or liquid line, having a housing with at least one closing body being displaceably arranged inside the housing, that seals a through-flow opening or several through-flow openings of feeder channels in the closed position.

[0004] The invention also relates to an insertable component, which is embodied as a through-flow regulator and which can be inserted into a gas or liquid line, having a housing with at least one throttle body or regulating body being arranged inside said housing, limiting a regulating gap between itself and a housing wall, with the gap changing depending on pressure.

[0005] It is commonly known to combine several sanitary components into a single sanitary insertable unit, particularly some that serve various functions. From DE 297 03 335 U1 by the applicant, a backflow preventer has been known, which represents a component of an insertable sanitary unit in addition to comprising an upstream sieve for contaminants and a downstream through-flow regulator. Such sanitary insertable units are inserted for example at the cold water and warm water inlet in thermostat-controlled mixing faucets, in order to prevent, with the help of the non-return unit, the entry of cold water into the warm water pipe and vice versa and in order to ensure an even water flow, using the through-flow regulator, even in varying liquid pressures of the inflowing water.

[0006] The previously known backflow preventer comprises a housing with a cone-shaped valve arranged therein. The cone-shaped valve cooperates with the valve seat, which is molded inside the housing. The cone-shaped valve can be displaced from a closed position into an open position by the pressure of the inflowing water against the returning force of a pressure spring. In an opposite